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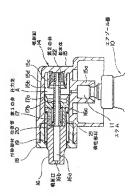
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#### (54) [発明の名称] パイプレーション権対如

#### (57)【要約】

【課題】 耐久性を向上し、明確な間欠噴射を得ることができるようにする。

【解決手段】 使用時、指掛片部15 台に指を掛けて卸本体15を押し下げ、ステム11を押し込んでエアゾール器10内の内容物をステム11から明出し、現本体15の圧力強入内に入れる。そして、その圧力強入内の圧力上昇にともない、付勢部材19に抗して第1の井17とともに往便管20を介してともに第2の井22を移動し、その第22を存むしてともに第2の井22を存動し、その第2の井22を万里とは上移動すると、紅本体15位では大力を該第2の井22の押し当てを解除して圧力室入と往便管20内とを連通し、圧力室入内内容物を往便管20内を測して明射日16 bから噴射する。



- からなムモス、きるさんなし埋きムモスプリモ」軒、灯 > 1経、各を観り機構御なるマーイでトバるを制動で 27人に取り付け、たとえば客毛や血行保施会どの目的 (の器4ーヤヤエ、上押券のこ【弾を削昇3十割の押券】
  - 【他端で継載の開発】 。[展開源]、
  - Bベーイエレンパの整理コミ直本網 `タウントンCコギー 3. 本本配品能で発表材一多料能上組造物 【1. 作生制】 。陰極酸ペルペーペアトハ、るなアム額を , 5 特衛市組入機士
  - A動製協商、J添みの代のI発展開る代の2歳長764上 14個の共の2歳の子、考るる本機材土以放気商を来の2 機能機は14.3.3.4での1.機の今丁、1機能を刊の1.機能機丁 1 の制設は発酵性の混りが上昇し、制設性等機能は近に低い こは特容的の器カーヤヤエ気清るれら出郷シウムギス域南 、3所需管性>磁を介施器
  - 、3年の2番され鑑い内閣化
  - る下海因金遊氏出る人や肉等内の番れーンて工品博るパ
    - ら出弾されムヤス協画、対鉄543計目機関54円本本域のケ 、3本本限る付額の額甲刊干し時によるとろへ不入 (05) ファア・ア・ア・ストに取り付けてその語れートでエ [を東宋書]
    - ドベーイでトバの締結コ [ 原本館 , るなフリゴれを特階 発表3個の3智強形態的3件の1等距離 【2即本籍】 。IRRPPイモベーイストハ 、多なアス額を
    - 将都物付さず周藁を配並の 5円寄放送店園 5至代去協商 、 ブビ 1時に対ける限品報を作のな楽品碑ブリ祭付き作の 1等話簿,5/讚世旅班各名內容錄出這個名案代刊品簿7 2の許を診断し、制配剤体体に対する押し当てを解除し (単四歳1のまを提頭してその第1のまとともに制設等 より前記氏が案内の氏力が上昇したとき、 性勢力に結じ 当佛容内の器カーヤヤエ話簡されら出揮される出揮される不気所 の進進を提出する第2の弁と、
    - 予却六生ノ施表を3室代五延前3内容を返進しをブノ門間 「薬品調、快速の四流は北端両プロロで乗り管道団の含 、当智恵許られ入口内室代刊場前多線内
    - コルミニる料画コロ検診支機代、J能養を弁の1業の5 , 3年の1部 5.を製品ままで、イントントのおかける。
    - **喜出郷されムモス場論 、村塔はお自藤暦に内内本域のそ** 、3本本版る付款の額に利丁リ性のようとんでス のネフや付き運ぶムテスの器ホーヤヤエ 【1単準額】 [開發の家庭指数]

- タクトなるアからこる科学様
- 研入間空頭地ブルケブリ主を誘導は間0个くり試過3万 弁の1深、みかるこを返り終き出放る人数ので件の2線 るでれに14代の1歳プリカタるとくり記載、細胞的 〇 \* 野田議協師スポペーイム いびなり
- よのこ、されなりなり「酸素るするとより光液が肥業」 [2000]
- .るるかのもさしにもよるを了からこる例 多技術ス間空獅押空分十つるき方替棋主果被マーサトア
- \*みら数えを閉びた近の乙焼、ひまごびこ【9000】 砂
- (4) アントをしているとは、これのでは、これのから前へている。 〇二、J油中至限砂切件、3.5 下寸型、J投源至邮客四 プロ開きて社のS家族再、3.8年発土込む丑の内を進れ 丑、ブンチ。るす人置フへ得る階類をて狭の2歳ブンれ **多 3 个 V U 活選 、 コ P A 弁 採 V J J 展 監 コ 向 衣 古 中 松** (03・3い12) 経施られたトロ接触の下来の「薬を検索 竹の竹ま案仕刊フノ脈を聞める、を開き間のらを作の1 表プリ男子で午の2歳、さら六と熱子代類等の∂かくせ 00 担席指プリ人難プに付き指率に内止無異の夫の1歳の子 【0005】そして、第2の付勢部約8の付勢力が抵抗
- 村階終分の2業多く在の2番のおれドーニるす人質ブロ **科金納郷ブノ介多るヤベリ武選、コPMA代談、コオムメ** 機器の4年の1億の多、J機器5個元式中因られなJ継 引きと材態使付の1等さん状の1単の内を第1の対勢部内5を圧 3.2回新工の代刊 、A.A. はいの上界にとり 会談を繋がれる 3.2回り という 2.2回り 2.2 PROPI1器ホーンでよる支出かられなムモス、さら込み ムン軒をく ムマスフヤイン軒、わけりMCMS ムマスの I 器パートイエ、コミュヤネコ01回対よるか、よい中の 00 「繊維物くドイー・1んといる米頭 、そののこ(もりのり) °22

28年日報しなから移動するものがある。

- いんなきづれるこる哲学排解文間な新把な代十二はるち ご報酬を実成で一キャア、みんとこるご園を発される誰い 公分子は経施「支援を長い公開れた今子の様子(ALCHO) りかかしましたころが、この種の単独的では、圧力室内 。るるいのよるヤ投源文間らか口線 脚支付物内でよいし張り振りこ、し間中支援難り再、よ
- るヤ干別、J限限予解容容器件、Sるヤ料土体代土の の非の問題にとらない確認性発揮とともに移動するとき 10 ずにともない存を同じて略移を中断し、その該圧力案内 別の代表された時期の多、オーるや機能されは機能でい 式出の料本議会解答内の内器 ハーヤマエるA S出願され ムキス、考るかん込 「明まムキスプヤギ」明、おは中心 18特施スモベーコストバの際のこ、米別 (南郊の米別1
- 。る下的にお客様の神くまる ーイて入いるすぐーセットを発患の内容内るを推御口四
- 次間のうごりょうので審判の構造が網絡が内へ、JRW

[2000]

37.1代の1被7代替的0.9.1将指標性,3.5卡下海位 (10011)その後、境時にともない狂力室AMの正力

> 5-4991日接触2つ距离MOZ基度及る総はMOMV 運代出、J施恵を5四0と智恵許3A室代出アJ総総を 7世 1年の22年の2番類37村 3日本本職、考33 そともに移動し、その第2の分22を所定量以上移動す 第1の417とともに往渡塔20を介して第2の弁22 ○今、R…るで大都を解答の四人室は出了し機器を「I 出して加本体15の圧力室A内に入れ、その圧力室A内 **親され「「ムモス筋茎肉容四の内の「器カーンでエ、A** 近し昨季114年スプやイン戦多で「沖本政」和出版 、計づ世級の数語コ1即本館のこ、フコチ【0100】 "タルマ際妹さって "タルユマ

働き、5.6 1科部特計るや測量を重要の4内0.2 智線的 S2を解認は本体15に押し当て、解認氏力整Aと胸配 来の2等国前アン終刊を「1401年国前, Jaale動脈 そ3MOC電路形態種3Aと電路出版階20MRを予出し 前記第2の弁22を移動し、前記和本体15に対する押 30 プリ版33代機科 、考3337. 株土な代担心門A盤代土語館 (11)時容的の1器ハーンで工品商される出勤され1 1.4.そへ場簿、3.5.2.4.0.2第る专種版を膨動のきれた まし能数者SA 推住刑部両 SPO C 智能計れるテプリ問題 の報酬のとことがい解析性機能2023年の機能の ▼1年の1家店簿、特殊3月四人変は記録部づわ付で減ご 新記氏力器A内はAれる性観賞20と、その往載者20 受験担づりるるる特別16万に同けるとともに内場を の1器カーンマエ、でおもの鞭弾の数架るを使掘プッ の 71年の1年のう。よ71年の1巻を下置るを施力をA室A室A る人物酵器内の01器パーンY工業所るれる出からゆ1 「 4 不足論論 、 付続口許自機器口内で 「 本本域の 5 、 3 のスキム11とともに押し下げ可能に設ける気は体15 チブや約で聞いて「ムキスの01番ハーヤギエ」ではる の創造の無実るや開発すい用きと同じいなり間の下ばな 表と含、プロASEDIR健康でセマーイで N.N. 生物薬の類 12311年末編、(水かの手 ( 科手の水かる 字光報金階編 1 [6000] , 5 专 5 代 日 至 5 5

> **やいくよるきアなること行い物が交多の機状隔 , 料理が** うにすることを目的とする。 語来項3および4に記載の よるきでやるころ得多物源次間交額伊 , J 4.四多部久園 プロはの機能線で見るーイでわりならまぶり返去した。 | 「0008] そこで、結束項1および2に記載の発明 、ひとの冷聴器のとな

> るなる离イスピ 、0 な〉を54歳品品船 、さゆるやる ② 第1の付款限付3556に第2の付款取付8を必能

減して資達化3 Y d Mに自む第2の許40を貫入し、減 きてを来の1部方代数約の9を特路機制、3るを下調が (10017] その後、強約にともない正力金人内(100] \*24種動が4998日種動23駅ネPLEW駅

以の子を神容内の内A室代刊フル開きb7E.A監験、J 痛されてを作って来るした場合は痛しが37から離っそ プロエカ田子のそを内部上部300年代の2定額, 533 第1の弁37とともに第2の弁40を改定量に上移動す の子、在一るセ大部を類客の内A 室内丑ブノ機融きて その 並の「第70点には下が高さいできるこれをしている。
中、有名のは、
するには、
するに 出して組本体35の圧力整木内に入れ、その圧力並入内 駆らけ11.14年人結支解答内の内0.1器ホーンマエ、4 返し昨季 | 「ムモスプやずし軽多さ E 本本職、神明通 、よりブ世野の練頭コモ飲本籍のこ、ブゴチ【3100】

。るする微時をとこ、るなて太勤を、とっさも

下部北部 2 網 3 b 7 を 計画製造機 、 J 編み 47 と 年の L 薬品削多りた井の乙葉類プカ土は借いりた井の乙葉の多 とともに新記等2の余人のを所定量以上移動するとき、 てを代の1歳のチブノ酸器多くを来の1度場種ブノ渡コ より商組圧力室A内の圧力が上界し、前船付券部材399 コ牌客内のO L器A一下て工品能るAさ出離されI LA 平木品商、39E村葡機付う書きDVE所顧園品員、5 出し申いのかれるではのこでしゃしてこの第2のかんの1歳帰浦 、30~年の2番され続い四人並代出施郷プリ人質ブペ 付き組織のPMD Y と計画機(0) とそ(0) (線(0) 、5) と 代の「液るで血因るA並は出る人や密容的のOIOA~ ソヤエ品舗るれら出鞭みや11.4ぞれ品簿、41週にお自 好可能に設ける紙本体35と、その組本体35内に指動 干し時がよるよし「ムキスのチブや針で跳びしてんそス 用きを図しいなる図の下がれるまか、プロさい経験型く E (1012] 線本項3に記録の発売の表明は、1(171-17) ※20回とを流れて速速する。

地区の地区と発化て移動し、やかて紅本体15に対す するとき、発性部付21を圧縮して住機管20を介して 機関なて1年の1部コなよる3月にして北の四人室に出 【10014】そして、この請求項2に記載の発明では、 、るでとが終るとこ、るなプリかれき 

前、でおらの郵法の越来るを開始でい用金を図しいか! 図の子以母えらな、5いはJ組練脚くモモーイでトハの 【0013】錦本道5台55線の発配は、錦本道1台55線 PPSEMMENTARY

1 口検診を密答呼のPA室に出せよいJ返り続のこ、J 理中全排辦功再、5.5.专不過 , 以推摩全鄉答的題再 . 5 【0012】それから、圧力型AMの圧力が上昇する 。5专用中全排源10焊容内

プリ機能多距数の3四02個数部3A室内は、7面3機

- で大16aを介して明朝口16bに産業する。
- 中季四02番製井、7世316124より多額代の02番 類334個2 、J並行に関心と02智数35471年の1第 、多12時間対戦の男本バルトとされ郷い園代別代、フ → \*\*のなべご四人並に出る際門コラミミを付削コロ 3 自日機能を離代、計0 2 管理計、5 付成7 J 施置5 0 【0025】一方、第1の針 7 には、中心に狂魔管2 \*92241462467
- する。間定ブッシュ18は、郷六155の入口に圧入に のこ、J間中支援御り再ぶた太を示いた間、幺るを不進 04 機付いる向内をて1年の1年以よ去とも1ペイスコア9 1.料路袋竹の子、竹銭3.6.1 りを設け、その竹袋部は1. 間の381mペルと説開るつり1場縁線別の91ペイス コープリチ 。るなブ州場まする1日根原の41階検験の S区領する、ヒストン1 Gには、中のN.1 G Aの光にこ A室は丑るで飯裏コsel指合強ムやASSで、コ内el 4本度、付端31計自機器を71枚の1等フリ故板3101 くりえつ よわ中のもそ 1 不断なぐよの子 [ ト2 0 0 ]
  - ☆アノ加密3~2 「確実外網ブ料向い向れるや点層」より 06 3類のはそ1次離、ブンチ、るれ編を4そ1次類の専門 s 2 1 総合規ムモスのき向下るす合場 3 L L A モスコン 中、よはより本本語、るれ鑑多さし本本限カペンケン供 別州一プロ田全様特額階、加利4 11514 11年機能【モS00】 。各付付で選書41階景卿くセジーイで入い
    - るよご物表の嫌張い「原本館」おい「「ムモスのの「器 パーヤイエ、みなアン(株別会内然みで许多とな果院証別 行曲や果敷手唇切ふるの、アコム酵客内、約50円01個 ルーマでエのこ、るるで器ペーマでエるや出来があらい。
    - \*\*キボタ間消除の取得がくセジーイでトバ の数語は E原本能さればい数がごれれでMにはそれの器 ホーママエ、おコイ宮。まで世界さいの歌歌の絵楽の映 発のこ、CCJ照像多面図、不以【類別の創実の世発】
      - [1200] 35くを、新2の許すのに働け上める。
    - トラ、一体拡形で飲水体35と一体につくった協止部村 とき、一体拡形で飲水体35と一体につくった協止部村 \*F出き限されたで正直表でした歌歌をOを来の2準 【10020】そして、この語念項4に記載の発明では、 "タルマが終るマフ"タカンペンへ
    - 214~306年銀行第二年記録で発売を与っているというに 爾、代はらの銀項の越来るヤ形幾プい用きを図しいなる 図の下以れえるカ、フいむコ級線製へモビーイでドルの 構造は長期本額、よ便利の機造は各単本額1001 \*9.6.图图公园号。以自自
    - E 口機脚を燃発PMのMA差代却でよるJと減ら減のこ、J 推中支援部功再 , 3.5 化干型 , 3.特别全部容四型再 , 3. 【0018】それから、圧力室入内の圧力が上昇が上昇する

事之明,

- を大、心心がなる用拠を下くしまた。これを、 (40036)を大、心心がないが、はないが、、なないないが、、ないないないないないないないないないないないない。 , 457743.D4
- 得多限源次間交勤性な会十二、もきつ特徴を果成マーヤッ マ 、J.知道は実務を問時期中の技施、されと聞られてJ.J. 横移展宝術、やも開ひさ渡金こ2枚の2酸いなよろは インレーション戦略知147は、圧力率AMの圧力の上 ハヤボコル図Jいな1図のこ,でよコルニ【EEOO】 、るすじーヤッケタ商島ウ料室内るを捜索欠開のチニ 3555で養性に高度条件等性、アンラ、6を検察人間 様り返しにより圧力室 A Mの内容物を検付日164から . 14歳少多部等内閣再コミエヤホコを関びよれ公園、3
- 【0032】それから、圧力室A内の圧力が上昇する 2.0円との運道を返出し、内容物の場所を中面する。 ○内に入れ、素体体1 5に押し当てて比別並Aと低級金 ₹1間突が高も再多と2件の2準プリ項を2.2件の2準 19の付勢力で、図4に示すように第1の弁17および い当てる。その後、さらに出力が低下すると、付勢部村 時3161イイスコタ総代アノ見金02智差担31614市 コミ図、ア九計等の12時鑑替額のJは、5名を不認法 (CHOPIA 流代生いできるコ飛騨、娘の今 [1600] \* 2.6.160m
- スン農蜜94491日指動2つ駅ネセ91X分中の91 マイス3、A人31PO 2 智恵許多啓答POPAA入れ、とストン 3こる中示共中2図、JM版を32MO2習期掛3A室内 田プリ紙を簡剔のチ、でついる間割は間2.2年の2年と 【14本限コウまやボコ2図 、0 よコパン【0 6 0 0 ) する語跡220m(02.2平(02.海底を育体する。
- このを投験して第2の42226ともは移動し、やがてそ 20022124の1第、33な>を大地代謝報の 3 31124×、地の3を示りの手件中限1222001 ともない響性部科21を圧縮するが、その機性部材21 JJ機関の7.1年の1度の予約は3.5)、5.5のこ、3.7大 は低して第1の分17を搭動して圧力室A内の容階を相 [0059] その圧力の上昇にともない、付勢部材19 AMICA9, FOEDEAMORAS.PA.S.
- 進代刊の214本語アノ出脚され11Aモス額も非常内 の内の1器パーンでエ、3るを、むが3単3内の1器パ 一ママエを11ムモス、刊てし叶を21Å本限で4格を 掛つbを1路付出は、特別の路準まする1日は脚プで特 ○手を01器ホーンでエ、細胞粉、ブンチ【8500】 QI 1.6次で1.0点を進進を減してから、
- SA室代刊も海幣、7世 J戦以る I 南本議会SS特のS 菓子代楼付の9.1 村路機付品商、フゴチ、5.7 情知に行 ○21確実体網路確 , 付付で舞多く2件の2番ブロ3コ 「OO27」さて、在機管20のMMMには、圧力室APA \*ラルスつ母州の保証を
- 内A室代刊、7世 中国に関係の0 2智恵書を471監合 報告部17 aを構穴15 bの内側に押し当て、Fyping等理 さ向代、アコチ、544数35.471高熱整ち向内ちょり

- さ E 特都市船を支出終は採出了付何の向大さす項間、コ MODELL COMMITTEE MANAGER DO 11 POOL \*\* 241就至 4 5 E
- 穴線の項門面圏るす項間コオー(9向社会コ第上、コムメ るる付据者 a C E 路台頭 ムモスの き向する す台類 ラムマ えの器パーヤでエコム中、打コミミ州本席、る村豊多さ そ本本限パットで予告は新一プロ目を存む問題 よわわり と職権認定的。や本る価値額の議様がく ほくーづて トバ (の練売)を原本額、加いる約、2000、アち (0か00) 、そうマーヤット多路取了再答内るす物學又當のチ 、コ 3336で客付予時容内の部原プリ機関の組み付ける
- 1 口権施を破壊がkokdの 1 器パースよエコ歌回 2 号像4 示コト図しいな1図は同じ、水気し削を112キスプや ▼1時季2 「料本議、7世 1時の指導はよるかぎょそと 別で、エアゲール関10を渡さに得って例山25の実施 タインペッチ、おきろるで出頭、ブンチ(96001 \* 9 42.C. 4
- するわけで知コラニーバルブサ浦コト138棟線。こ時間 東不、幻てとそび、る名字ーバれの状態円るれ鑑了付付 機学と「朴本職」、約62号符。各科幾フ山出突いを削上 多ちそと階級の歳後、おいとちには、多れて山脈るれ機 プロ付き返回と「本本職、」と変変を心中心も「マイスコ 【0038】図5において、新たに付した符号25は、 、るなプリ用題ままの予予や存立し出題の代語
- るでは、図1ないし図4に示す解謝新14の対16する のこ、動の多、おな。るずいもよる人の内へ望に迅ブや 施会の称のそれ内容内心し 1 はんーソフェウバを出策の ・春11.4年人、付銭を面都が調べむにはそ1.4セマルでの 機 、アス深口ので工業発光機能なり工能機能でかられば 11792
- プロシェスマで映解される日日接続のファイニをよりにし その許さこを取り付け、エアソール器1 OMの内容物を 東、12村端登長0、資産部付19、住業第20、資産部付21、第 の1第・31マイスコン内3ミ1方線のチブれ端を35 1六級の路内、J加料7少差多つと1ペーセ上に上のそ は15は、ドケース15A内にブッシュ15Bを入れ、 (100361とかし、たととは図らに示すように、個本 10 の表37を四両さに付勢する。簡単ブッシュ38は、確 、カリコミよるヤ税便の専門
  - 勝るなもる1日接脚を密容性の四の上落ホーヤヤエ、セ 「特別後付・VI共の1策・91ペイスコンPyde ITA 種のチブ付属きるさ1次等のは5,0~0つ初期的一丁 い用き牌料譜類多さ1本本庫, 215 f. f.限物部ベモビー イベンパネポコを図しいな「図」からころ【そその0】 ۰.
  - さつなることを上向を整人額、J>なる代路るで再場)

- でき一体に動ける。除止器付きちゃの表端には、降止器 90 ほして限りに示すように第2の今年ものを経路40でを 37 E共の1度が代替付の9 E特階機性、5 6 を下渡る 【日の49】その後、晩餐にともない在力量入所の圧力 ・受益機動分 4446日保護プリ版金を3670中の子、水人は内366か € ベイス当プリ面多ってを指摘面のbTE再振載のきま 解释的心的A鉴认到《古名名》示关中图、参照多b?E 計画質プリ弱みや料外のDYE 計画複多をO 4部れーペ 、コくよず示い8回、CLCAC、企出書刊の4bでE 「肝血凝了し直の機能を使のと度、この出り損多っそと移
- 部上組つ10 4年の2歳いなきよの機能さかみら , 6 A性 Ot すると、個でに示すように段離406が最上縮354に 経得量実売なりを共の2度でなか、アンチ [8400] の弁37の移動とともに第2の弁40も移動する。
- 「薬」のなるこるで人質フト哲多数等プリ介をIPやく U前項を膨火のOを来の2薬A内も7ミ介配質。&を大 脚を粉巻の四と黒代出プリ機関を1を他の工業プリ話に 【OO47】その狂力の上昇にともない、付勢器材39 \*3.4程上多代3A内内全代3A分子,9人23内A
- 深れ虫のこと枠本間プリ出卵らゆ1124不窓の結合内 の内の上部ルーツでよ、よるで、むむ、甲戌の上部10円 30 小器10円に出り作って、よる第下、小婦をひみまのはこれ 一ツヤエタ 1 1 ムモス 、料子 J 戦多 2 6 剥木限 7 り掛き 街口90と臨付機器、付向コ語集ます3と口物弾ブで約 プキを01器パーペイエ、御和類、ブンチ(0100) このできる。
- 代刊「意識をDVE計画版で行行り呼ぶるりを紹介ース 3. 製作 b て E L 監視 、 7 世 J 時 A 段 は d と C を R 所 B 3 b 4 も B 4 と B は B 4 と B 4 4 品格温温の0 4 件の2 簿、 プれ機制の9 E 特第機制 5 中 校付の考例内含くと我の上帯のようともとくすべき、ア
- → 、るなアリ処徴者>0ト指鉛減むな代人が内っそ 整パーペンけり返したなくしが過ぎ付けを取りた者 ご解別付のCZの際法 、また30を共の2歳【S POO】 2427Y
- 買了で何多類類を添煮の0.4件の5億のおれる…こる付 扱い内へ流は迅、コ内トイモが直旋、ブドノ門の間内の d 2 を穴鱗きゅてを踏む鞭き向代、アゴチ 。 るけ鑑金b てモ丹飯商るで存まってを新縁直、これか中、付鑑さらて (10044)一次、第1の共37には、外内を発性限3 \*るますけ付きがくより入事当日人のd 2 E方
- 1第3333336と4人と3で8を特別終付の子、付償金 9 と対路検付の別ネバストにお聞の386ェマッと定該関 るっると格徴機が400をベイスコ ,ブゴチ【を400】 \*るなブ村擔号d 0 E 回機器の4 E I E 機器の
- この光の60を次の中、丸口0をマイズサ、6を展別9 A室代刊ふや衡新にJacと総合地ムモス品前、CMPと 対本限、代表は計画機能多でを他の1等アン鉄差はも (4x3 , tipptod 2 8 大路なさまのき (2 400)

0 I

,るもでもこる図を

付けい部界され付り遅いムモスの器パーンマエ【1図】 【影響心事器の開図】

医師阅録の路特施へ 8 ペーコントンの鍵張コ1 原定額る

.685

,5点字图面褶褲心褲來翻至景,中限數心子【E包】 、る木ツ因面連線の神場開末間、中田蛇の多【2図】

、るるTKIM機能の特性関、中国総の子【AKI】

事の例前の議員等でもマーイでトンパの課題は1月東東語る 01 (RES)観光され村で取りAイエに経パーママエ【2段】

、るみで図面周

。平示多数面面 頭の減機師べきベーイでわいの練品コモ和水橋 [3個]

、るるツ図面画跡の神場開発閉、中和史の多【6図】 、るる丁因面前無心部来開至表、中円地の今【8四】 、る木丁医師画跡の神論類柱間、中田野の多【下図】

、る水学制面削縮(0)条件部マセマーイで ドバの来知る付 

【排稿の報】

748 11

逐権強く E ベーイメナン トリ

18・38 関軍プッシュ #1011 LE . LI 口物學 496.491 44X2 91 銀突状間 oel 簡、J〉な多代籍るを誘導>き大、さないなご用動きや MAN GSE . GST くじ飛旋、介ま、るるつなるころ得る挑脚次間な難形な 対学は SE・SI 代十二6名字前限を果成で一サッケ , J泉遊の実施を開 に開かず、所定量移動してから開くから、喉科の中断時 おは、Eの発行の上がの上がの上外にともない第2の完全離ち 器ハーンでエ 01 の よコ肥液の凝張コ!距水糖「ファルホ」(果成の肥条)

ぎアセムこる図含べつやイスに、J海州を放り品格でし >なべる時間傾射るい用で料金、たま 。るさではまこう 汗ン(内安定を引動作問いずい用き料品検付、されるで作 周アノ維縄をアドノ時の代の2第3寸が31代の1第 、次 ○正力の上昇にともない第2の者に係止器材を掛け止。 は選ば中、まれままの機能の機能はも実践は「トそ00」 、るちつなることやる実施際一多技能区間、それるで 施账アゴル数タ 3内容競技 3室代刊 , アトは12果於品土 料路線付 QE・QI 0€ 、プ当こる字解報学丁普 3時の代心 2課録るで試出本本 強し、その往復告とともに第20分を移動してやがて知 が表されたとしている性が内を圧縮して往後質を表れてする。 

多くヤヤイスに、J数網を嫌点品高ブJ3Aの9 E 特部

機性を保護機性、立ま、よるでなること行い内部減支や利

当り中のものも紹介ーくるすべい場合もてを予証費、co

イブレーション略辨録34では、圧力率A内の圧力の上

ーヤットを創患で刺寄内るす様御次間の予コよらよるで

※計口器患金解容内、アレマ、&や接額及間されるる 口様認多解容的心内A変化出でよいしまり終のこ、U相

中全排御心再、3.8 专干劢、J推御多财将内别再、3.6 で料土や仕出の四人室仕出び再、さかれず10そ001

随中を接続の解答内、答案多して長孔底度づ付付し押ご

BOA都A一く多額乃与てモ乃厳賞、J人賞多りを代め

S部で再び終してそれ無数、フ告し呼ば映のd2を次列

単4個多っくと経歴事場ののを任める無いなりるの特

。る考でなるこるや土肉を許久

100231

945

マウヤイエに丁ノ教門を獲売品語、よ加口果煮の鉄語ご E算字書話は、みなる>Cコ4ー3科本度で再連中一3 1000551 諸宋項4に記録の発明によれば、原上部村 40 40c 航程器

遊代担 A

40P 終課

そくじ 抵抗 しか

畑ルーぐ モロカ JAWW DYE

多りで 直線器

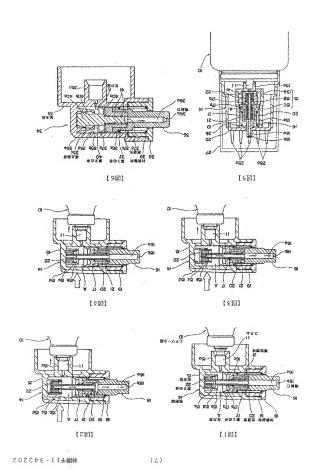
銀子樹 PSE

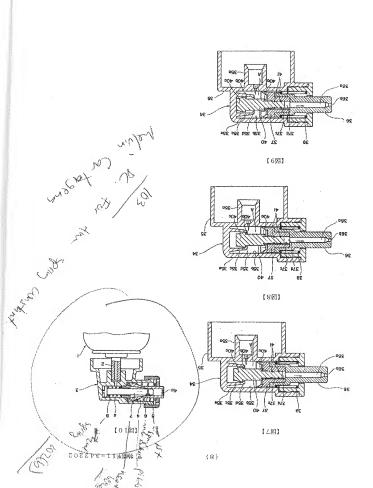
326 接下銀銭

21 多性器材

20 往底管

55.40 M.703





4/53/08, EAST Version: 2.2.1.0

# NA9AL 3O STOASTEAT THE TAPAN

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# NOTTUB HEUR YARRE NOITARBIY (43)

(51)Int.CL

(67)Abstract:
PROBLEM TO BE SOLVED: To improve durability and to obtain clearout infamilitant spray.
SOLUTION: At use, a push <u>button bood</u>y 15 is pressed down by

hooking a finger on a finger-hook section 15d to press stem 11. A

substance within an aerosol container 10 is sprayed out of the stem 11 to enter into a pressure chamber A of the push button body 15.

Corresponding with a pressure increase within the pressure chamber A, a first valve 175 is slid to a pressing member 19 to whorease a volume within the pressure chamber A and to move a second valve

The present of the present of relating the A and to those A second variety of the first valve 17.

17.1 Shrough a reciprocating pipe 20 together with the first valve 17.

When the second valve 22 is moved over predetermined volume, a work of the second valve 25 to the button main body 15 is unanimose on the presence of another than the presence of the presence of

.....

SUTATS JADEL

[Date of request for examination]
[Date of sending the examiner's decision of rejection]
[Rind of final disposal of application other than the
examiner's decision of rejection or application
converted registration]

interior of the reciprocating pipe 20 and to spray the substance within the substance within the reciprocating pipe 20 from a spray outlet 16b.

[Date of final disposal for application]

(Patent number)

[Number of appeal against examiner's decision of [Date of registration]

[Date of extinction of right]

Date of requesting appeal against examiner's rejection]

decision of rejection]

11-342202,A [CLAIMS] .

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\* NOTICES \*

[Claim(s)] CLAIMS

[Translation done.]

button and one with shaping.

and said both-way tubing.

2 \*\*\*\* shows the word which can not be translated.

http://www4.ipdl.ncipi.go.jp/cgi-bin/tran\_web\_cgi\_ejje?u=http%3A%2F%2Fwww4.ipdl.ncipi.go.jp%2FTok...

[Claim 4] Vibration \*\*\*\*\* according to claim 3 which really comes to build said stop member to said main body of

specified quantity with the 1st valve, Vibration \*\*\*\*\* which comes to have the stop member which hangs and stops to stem, said energization member is resisted, it slides on said lat valve and said 2nd valve is moved more than the the pressure of said pressure interior of a room rises by the contents of said aerosol machine which blows off from said energization member which energizes said 1st valve, presses against this 2nd valve, and closes said through tube, When intrades with friction in the through tube of the 1st valve, and is prepared in said pressure interior of a room, The machine which prepares free [ sliding ] in the main body of button, and blows off from said stem, The 2nd valve which [ depression ] with the stem, The 1st valve which divides the pressure room containing the contents of said aerosol [Claim 3] The main body of button which attaches in the stem of an aerosol machine and is prepared possible

[Claim 2] Vibration \*\*\*\*\* according to claim 1 which comes to intervene in an elastic member between said 1st valve body of button, and intercepts said free passage of a pressure room and the inside of said both-way tubing. [ said free passage of a pressure room and the inside of said both-way tubing ], presses said 2nd valve against said main energization member which cancels the push reliance to said main body of button, energizes said 1st valve possible slide on said 1st valve, and said 2nd valve is moved with the 1st valve. Vibration \*\*\*\*\*\* which comes to have the of a room rises by the contents of said aerosol machine which blows off from said stem, Resist the energization force, a room and moving with said both-way tubing with sliding of said 1st valve, When the pressure of said pressure interior way tubing, or intercepts the free passage when attaching in the both-way tubing, preparing in said pressure interior of to an injection thy. The 2nd valve which opens and closes, and opens said pressure room for free passage in the bothwhich puts an inner edge into said pressure interior of a room while penetrating the 1st valve and turning an outer edge machine which prepares free [ sliding ] in the main body of button, and blows off from said stem, Both-way tubing [ depression ] with the stem, The 1st valve which divides the pressure room containing the contents of said acrosol [Claim 1] The main body of button which attaches in the stem of an aerosol machine and is prepared possible

the 2nd valve, separates this 2nd valve from said 1st valve, and opens said through tube.

3.In the drawings, any words are not translated.

Ulhis document has been translated by computer. So the translation may not reflect the original precisely.

and aims at enabling it to acquire clear intermittent injection. While invention of a publication enables it to perform [0008] Then, in vibration \*\*\*\*\* which was mentioned above, invention given in claims I and 2 improves endurance, components mark increased and technical problems, such as becoming cost quantity, occurred.

opening actuation stably -- since the 2nd energization member 8 was needed with the 1st energization member 5, the 2nd valve 7 is opened by the energization force of the 2nd energization member 8 \*\* which cannot perform valvebecomes impossible to acquire clear intermittent injection soon between the 1st valve 4 and the resistance link 6, since extraction of the 2nd valve 7 to the 1st valve 4 through the resistance ring 6 at the time of use \*\* produces wear and it [Problem(s) to be Solved by the Invention] however, to such vibration \*\*\*\*\* \*\* From repeating penetrating and the

clear intermittent injection for the massage effectiveness to be expectable.

[0006] Thereby, the aperture of the 2nd valve 7 is delayed and there is a thing which enabled it to acquire sufficient of the contents was carried out from injection-tip 4a by this repeat.

valve 7 was opened again, contents were injected, when it fell, injection was interrupted again and intermittent injection with friction in this valve 4 through the resistance ring 6. And when the pressure in the pressure room a rose, the 2nd the direction of drawing Nakamigi with the fall of the pressure by the injection, and the 2nd valve 7 is again intruded room a were injected from injection-tip 4s of the 1st valve 4 through the meantime. Then, it slides on the 1st valve 4 in resistance ring 6, the 2nd valve 7 was returned, between the 1st valve 4 was opened, and the contents in the pressure [0003] And when the energization force of the 2nd energization member 8 exceeded the frictional force of the friction in this valve 4 through the resistance ring 6 while compressing the 2nd energization member 8.

sliding of the 1st valve 4 There are some which move the 2nd valve 7 of the shape of a needle which intrudes with compressing the 1st energization member 5 for the 1st valve 4 in this pressure room a with the rise of a pressure. With spouted from a stem 2 are put in in the pressure room a of a main body of button 3, and it slides leftward in drawing, the stem 2 of the acrosol machine 1, it depresses and a stem 2 is pushed in, The contents in the acrosol machine 1 [0004] for this reason, in the conventional vibration \*\*\*\*\* For example, as shown in drawing 10, when it attaches in

for the massage effectiveness to be expectable was not able to be acquired.

pressure interior of a room and the valve was immediately closed with injection, sufficient clear intermittent injection [0003] However, in this kind of \*\*\*\*\*, since the valve was immediately opened with the rise of the pressure of the

interrupted again and there are some which carry out intermittent injection of the contents from an injection tip by this with the rise of a pressure and injecting from an injection tip Contents are injected again, when it falls, injection is pressure of the pressure interior of a room rises after that while opening the valve of this pressure interior of a room main body of button. If a valve is closed with the fall of the pressure by the injection, injection is interrupted and the

in, the contents in the acrosol machine which blows off from a stem are put into the pressure interior of a room of a [Description of the Prior Art] In this kind of vibration \*\*\*\*\*, conventionally When it depresses and a stem is pushed fooost the affected part by the contents injected intermittently.

injection tip, and while adhering the contents to the affected part, it is related with vibration \*\*\*\*\*\* which massages

pushed in in detail, the contents in the aerosol machine which blows off from a stem are intermittently injected from an example, is used for the purpose, such as hair fostering and circulation promotion. When it depresses and a stem is [Field of the Invention] This invention relates to vibration \*\*\*\*\* which attaches in the stem of an acrosol machine, for [Detailed Description of the Invention]

DETAILED DESCRIPTION

3.In the drawings, any words are not translated.

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> > \* NOTICES \*

pressure room A, an elastic member 21 is compressed, the 2nd valve 22 is moved behind time through the both-way [0014] And in this invention according to claim 2, when the 1st valve 17 slides with the rise of the pressure in the operation explained using the following drawing I thrufor drawing 5. between said 1st valve 17 and said both-way tubing 20 in vibration \*\*\*\*\* according to claim 1 as the gestalt of the [013] Invention according to claim 2 is characterized by the thing it comes to intervene in an elastic member 21 16b by this repeat. interrupted again and intermittent injection of the contents in the pressure room A will be carried out from injection-tip [0012] And if the pressure in the pressure room A rises, contents are injected again, if it falls, injection will be injection of contents will be interrupted. of button 15, the free passage of the pressure room A and the inside of the both-way tubing 20 will be intercepted, and returned by the energization force of the energization member 19, the 2nd valve 22 will be pressed against a main body [0011] Then, if the pressure in the pressure room A declines with injection, the 1st valve 17 and 2nd valve 22 will be injection-tip 16b through the inside of the both-way tubing 20. the both-way tubing 20 are opened for free passage, and the contents in the pressure room A are injected from The push reliance of this 2nd valve 22 to a main body of button 15 is canceled, the pressure room A and the inside of through the both-way tubing 20 with the 1st valve 17 and moving the 2nd valve 22 more than the specified quantity, A, sliding on the 1st valve 17 and increasing the volume in the pressure room A When moving the 2nd valve 22 both main body of button 15. While resisting the energization member 19 with the rise of the pressure in the pressure room pushed in. Blow off from this stem 11 and the contents in the aerosol machine 10 are put in in the pressure room A of a [010] And in this invention according to claim 1, at the time of use, depress a main body of button 15 and a stem 11 is said both-way tubing 20. of newe the energization member 19 which intercepts said free passage of the pressure round A and the inside of 17 is energized, said 2nd valve 22 is pressed against said main body of button 15, and it is characterized by the thing it canceled. Possible [ said free passage of the pressure room A and the inside of said both-way tubing 20 ] Said 1st valve valve 17, and said 2nd valve 22 is moved with the 1st valve 17. The push reliance to said main body of button 15 is contents of said acrosol machine 10 which blows off from said stem 11, Resist the energization force, slide on said 1st with said both-way tubing 20 with sliding of said 1st valve 17, When the pressure in said pressure room A rises by the or intercepts the free passage when attaching in the both-way tubing 20, preparing in said pressure room A and moving The 2nd valve 22 which opens and closes, and opens said pressure room A for free passage in the both-way tubing 20, inner edge in said pressure room A while penetrating the 1st valve 17 and turning an outer edge to injection-rip 16b, [ sliding ] in the main body of button 15, and blows off from said stem 11, The both-way tubing 20 which puts in an valve 17 which divides the pressure room A containing the contents of said aerosol machine 10 which prepares free with the stem 11 as the gestalt of the operation explained using the following drawing 1 thrufor drawing 5, The 1st main body of bution 15 which attaches in the stem 11 of the aerosol machine 10, and is prepared possible [depression] [Means for Solving the Problem] Therefore, invention according to claim 1 is set to vibration \*\*\*\*\*\*, For example, the valve-opening actuation to claims 3 and 4 stably, it aims at reducing components mark and siming at a cost cut.

and the inside of the both-way tubing 20 are opened for free passage behind time. ubing 20, the push reliance of this 2nd valve 22 to a main body of button 15 is canceled soon, and the pressure room A

37, presses against this 2nd valve 40, and closes 37d of said through tubes. The pressure in said pressure room A rises the 1st valve 37, and is prepared in said pressure room A, The energization member 39 which energizes said 1st valve button 35, and blows off from said stem 11, The 2nd valve 40 which intrudes with friction in 37d of through tubes of pressure room A containing the contents of said acrosol machine 10 which prepares free [ sliding ] in the main body of acrosol machine 10, and is prepared possible [ depression ] with the stem 11, The 1st valve 37 which divides the Jusing the following diawing 6 thrufor drawing 9, The main body of button 35 which attaches in the stem 11 of the [010] The passage of the gestalt of the operation which explains invention according to claim 3 in vibration \*\*\*\*\*

pushed in. Blow off from this stem 11 and the contents in the acrosol machine 10 are put in in the pressure room A of a [0016] And in this invention according to claim 3, at the time of use, depress a main body of button 35 and a stem 11 is characterized by the thing it comes to have stop member 35c which opens 37d of said through tubes. valve 37, it hangs and stops to the 2nd valve 40, this 2nd valve 40 is separated from said 1st valve 37, and it is member 39, sliding on said 1st valve 37 and moving said 2nd valve 40 more than the specified quantity with the 1st

by the contents of said aerosol machine 10 which blows off from said stem 11. When resisting said energization

A, sliding on the 1st valve 37 and increasing the volume in the pressure room A, when moving the 2nd valve 40 more main body of button 35, While resisting the energization member 39 with the rise of the pressure in the pressure room

than the specified quantity with the 1st valve 37, Stop member 35c is hung and stopped to this 2nd valve 40, friction is

resisted, the 2nd valve 40 is separated from the 1st valve 37, 37d of through tubes is opened, and the contents in the

pressure room A are injected from injection-tip 36b through 37d of the through tube.

energization force of the energization member 39, the 2nd valve 40 will be again intruded in 37d of through tubes, this [0017] Then, if the pressure in the pressure room A declines with injection, the 1st valve 37 will be returned by the

[0018] And if the pressure in the pressure room A rises, contents are injected again, if it falls, injection will be 2nd valve 40 will close 37d of through tubes, and injection of contents will be interrupted.

interrupted again and intermittent injection of the contents in the pressure roun A will be carried out from injection-tip

[0019] Invention according to claim 4 is characterized by what it really comes to build said stop member 35c to said 300 ph qua tebear

main body of button 35 and one with shaping for in vibration \*\*\*\*\* according to claim 3 as the gestalt of the

operation explained using the following diawing 6 thru/or diawing 9.

through tubes, stop member 35c built to a main body of button 35 and one is hung and stopped to the 2nd valve 40 with [0020] And in this invention according to claim 4, when resisting triction and pulling out the 2nd valve 40 from 37d of

drawing. The longitudinal section of vibration \*\*\*\*\* according to claim 1 in the condition of having attached in the [Embodiment of the Invention] Hereafter, it explains per gestalt of implementation of this invention, referring to a [1200] one shaping.

contents to contain the liquid which has for example, the hair-fostering effectiveness, a circulation facilitatory effect, [0022] What is shown with the sign 10 in drawing is the acrosol machine which projects a stem 11 upward. It comes as stem of an acrosol machine is shown in drawing 1.

aerosol machine 10. etc. in this aerosol machine 10, Vibration \*\*\*\*\* 14 by invention according to claim 1 is attached in the stem 11 of the

[0023] The main body of button 15 really built with shaping using the resin ingredient is formed in \*\*\*\*\* 14. While

12b of the cross-section round shape opened to one side of the direction of a path is prepared in the upper pan. And it preparing downward stem fitting section 15a which fits a stem 11 into a core in a main body of button 15, cave hole

[0024] Into such cave hole 15b, it connects with a piston 16, the 1st valve 17 is formed free [ sliding ], and the pressure comes to form tubed projected part 15c in the inner part of cave hole 15b towards the direction to open.

energization member 19 is formed between inner edge flange 16c of a piston 16, and the fixed bush 18, and the 1st to prepare injection-tip 16b of this \*\*\*\*\* 14 in a piston 16 at the point of main hole 16a. And the coil-spring-like room A which is open for free passage in a main body of button 15 at said stem fitting section 15a is divided. It comes

tubing 20 puts in an inner edge in the pressure room A while turning an outer edge to injection-tip 16b. And the elastic [0025] On the other hand, the both-way tubing 20 is penetrated and formed in a core at the 1st valve 17. The both-way bush 18 in the inlet port of cave hole 15b by press fit. valve 17 is energized to the inner sense with a piston 16 by the energization member 19. It comes to attach the fixed

outward clastic section 17a -- the inner circumference of cave hole 15b -- pressing -- inner sense clastic section 17b --[0026] In addition, outward clastic section 17a and inside sense clastic section 17b are prepared in the 1st valve 17, and both-way tubing 20 is opened for free passage to injection-tip 16b through main hole 16a. the both-way tubing 20, the outer edge of the both-way tubing 20 is always applied to a piston 16, and the inside of the member 21 of the shape of a coil spring prepared in an outer edge periphery is intervened between the 1st valve 17 and

[0027] Now, the 2nd valve 22 is attached in the inner edge of the both-way tubing 20 in the pressure room A, and it the periphery of the both-way tubing 20 -- pressing -- the inside of the pressure room A -- liquid -- it comes to hold

energization force of said energization member 19, and it always comes to infercept the free passage of the pressure contains in said tubed projected part 15c. And the 2nd valve 22 is pressed against a main body of button 15 by the

acrosol machine 10. Then, the contents in the aerosol machine 10 blow off from this stem 11, enter in the pressure a finger is hung on 15d of fingerplate sections, a main body of button 15 is depressed, and a stem 11 is pushed in in the [028] And at the time of use, it has the acrosol machine 10 by hand, and injection-tip 16b is turned to the affected part, room A and the inside of the both-way tubing 20.

room A of a main body of button 15, and go up the pressure in the pressure room A.

is moved with the 1st valve 17, the 2nd valve 22 also moves [ both ] and specified quantity migration of that 2nd valve 17 in the beginning at this time, when the clastic force of that clastic member 21 became large, the both-way tubing 20 volume in the pressure room A is increased. Although an elastic member II is compressed with sliding of that 1st valve [0029] With the rise of the pressure, the energization member 19 is resisted, it slides on the 1st valve 17, and the [044] And in this example of illustration, stop member 35 which projects in inbed towards the driedron open is prepared in the timer part of 1625 on one it connect of 1675 one is 1670 one in connect of 1670 one is 1670 one is 1670 one is 1670 one is 1670 one in 1670 one

earty our informativent injection.

[0040] Now, the longitudinal section of vibration \*\*\*\*\*\*\* according to claim 3 is shown in drawing 6 below. The main body of button 35 really built with shaping using the resin ingredient is formed in illustration \*\*\*\*\*\* 34. While bedy of button 35 really built with shaping using exercise the stem of an acrosol machine into a core in a main body of button 35, eave plot 35 to 41 the cross-section found shape opened to one side of the direction of a path is prepared in the upper part.

The upper page 1.

[0039] And white cap 7.5 again removed and have the serosol machine 10 in reverse, when using it, pressing projected part 25a of Mt. Tsurugi 25 again rather a head, depressing a main body of button 15, pushing in a stern 11, carrying out misentiment injection of the contents in the accosol machine 10 from injection-rip 16b like the case where it is shown in disantient injection of the contents in the accosol machine 10 from injection-rip 16b like the case where it is shown in disanting 1 thrutor disanting 4 henceforth and adhering contents to a head, a head is massaged by the contents which

(1038) In GENDRIAG, in or cover, and each of a March of a main body of button 15 or March of a constant as altached and easibled in Wil Tsurugi Ast.

A sign X61 is covering of the shape of a cylinder which covers the surroundings of a main body of button 15 or Mi.

A sign X61 is covering of the shape of a cylinder which covers the surroundings of a main body of button 15 or Mi. Surungi X5, and attacher and prepares the lower part in the accorsol meeting in C is sign X7 is a cap which purs on "Surungi X6" and a stacher of the overing 26 of the time of the western of the state of the s

I thrukor <u>drawing</u> 4, and the 2nd valve 22 is put in in bush 13B. Slot m is formed outside at this bush 13B, and it is made for the contents of the acrosol macheine I by which blow off from the stem 11 to enter in the pressure room A librough that slot m. In addition, in addition to this, it contes to use the sign used for the part to which \*\*\*\*\*\* 14 shown in drawing 1 bruvor drawing 2 corresponds in this drawing 2 as it is.

[056] As aboup, for example in <u>desaming 2</u>, however, a main doy of button I; But in busin case 15A; and and the lat valve 17A; and they call the constituted on it. Dugout 15e is prepared in the interior, piston 16 and the lat valve 17A, and the Eugent 15 and energization member 19, both-way tubing 20, elastic member 21 and valve 22 are attached in the dugout and the 2nd energization member 19, both-way tubing 20, elastic member 21 and valve 22 are attached in the dugout 160 and and 160 and 160 are attached in the dugout 160 and 160 are attached in the dugout 160 and 160 are attached in the dugout 160 and 160 are attached 160 are att

[0055] By the way, in vibration \*\*\*\*\*\* 14 shown in danwing 1 thruvor dinawing 4, a main body of button 15 is really built with shaping using a resin ingredient, cave hole 15b is prepared in it, piston 16 and the 1st valve 17, and the 2nd energization member 19, both-way unbing 20, elastic member 21 and valve 22 are attached in the cave hole 15b, and the contents in the gerosol machine 10 were sideways injected from injection-tip 16b.

massage effectiveness to be expectable can be acquired.
[0034] Moreovet, since a resistance ring is not used, the part greatly worn out can be lost and endurance can be
improved.

[0033] Thereby, in vibration \*\*\*\*\*\* 14 shown in this diagwing 1 thrufor diagwing 4, the Znd valve 22 is not specified immediately opened with the rise of the pressure in the pressure room A, but since it opens after carrying out specified quantity migration, the downtime of injection can be secured certainty and suffrierin clear informitient injection for the

[0032] And when contents are injected again and it falls, as it is shown in drawing 2 and drawing 3, and it is shown in drawing 4, injection is interrupted [ when the pressure room A rises, I again, and intermittent injection of the contents in the pressure room A is carried out from injection-thy 16b by this repeat. And while adhering contents of the contents in the pressure room A is carried out from injection-thy 16b by this repeat. And while adhering contents to the affected part, the affected part is massaged by the contents which carry our intermittent injection. In the affected part is massaged by the contents which carry our intermittent injection.

member 21. Then, it a preseure declines further, as shown in diawing 4, the lar walve 17 and 7nd valve 22 are returned, the 2nd valve 22 are segains a main body of button 15, the free passage of the pressure toom A and the inside of the bolt-way tubing 20 will be intercepted, and injection of contents will be interrupted for the energization force of the energization member 19.

injects from injection-tip 160 to the affected part through main hole 16a of a piston 16. [6] Then, at fixel, if the pressure room A declines with injection, as shown in <u>drawing 3</u>, the bothway inhing, at sixel, if the pressure room A declines with injection, as shown in <u>drawing 3</u>, the bothway ninhing to be setting the pressed against a piston 16 by the elastic force of an elastic

22 is carried out soon, the push reliance of this 2nd wave 22 to a main body of button 15 is canceled.

[10030] this shows diagning 2.— as — between a main body of button 15 and the 2nd valve 22.— a clearance — building —
the cleanance — letting 1t pass.— the pressure room A and the inside of the both-way tubing 20.— open for free passage.
- drawing 2 Nakaya.— \*\*\*\*\*\* — as — the contents in the pressure room A are put in in the both-way tubing 20, and it

worn out can be lost and endurance can be improved.

as the energization member 39, and a cost cut can be aimed at.

the 2nd valve 40 with the rise of the pressure in the pressure room A, a stop and the push reliance of seal section 40a to [1005]] Thereby, in vibration \*\*\*\*\* 34 shown in this drawing 6 thrulor drawing 9, since stop member 35c is hung on carry out intermittent injection. 30b by this repeat. And while adhering contents to the affected part, the affected part is massaged by the contents which

massage effectiveness to be expectable can be acquired. Moreover, since a resistance ring is not used, the part greatly quantity migration, the downtime of injection can be secured certainly and sufficient clear intermittent injection for the opened with the rise of the pressure of the pressure interior of a room, but since it opens after carrying out specified [Effect of the Invention] Therefore, according to invention according to claim 1, the 2nd valve is not immediately

it opens, valve-opening actuation can be performed stably, without using an energization member. Moreover, the pressure of the pressure interior of a room, the push reliance of the 2nd valve to a stop and the 1st valve is canceled and [0054] According to invention according to claim 3, since a stop member is hung on the 2nd valve with the rise of the push relisance of this 2nd valve to a main body of button soon with the both-way tubing, intermittent injection can much is open for free passage in addition to the above-mentioned effectiveness by moving the 2nd valve and canceling the both-way tubing is moved behind time, and since a pressure room and the inside of both-way tubing are delayed and it [0053] According to invention according to claim 2, an clastic member is compressed with sliding of the 1st valve,

nzing an elastic member. Moreover, components mark can be reduced by the ability using an energization member only 37d hole edge of through tubes are canceled and it opens, valve-opening actuation can be performed stably, without

[0050] And if the pressure in the pressure room A rises again, contents are injected again, if it falls, injection will be

interrupted again and intermittent injection of the contents in the pressure room A will be carried out from injection-tip contents will be interrupted.

37d hole edge of through tubes will be forced on seal section 40a, 37d of through tubes will be closed, and injection of Znd valve 40 is presed in the inner part of cave hole 35b, the 2nd valve 40 is again intruded in 37d of through tubes, energization force of the energization member 39 and it is shown in drawing 9, diameter expansion section 40c of the [0049] Then, if the pressure in the pressure room A declines with injection, as the 1st valve 37 is returned by the straight-line slot of 37d of the through tube 37c, and it injects from injection-tip 36b through the main hole 36a. drawing Nakaya .- \*\*\*\*\* -- a passage -- the inside of the pressure rooms A -- contents are put in in a piston 36 through

seal section 40a -- from the hole edge of 37d of through tubes -- detaching -- 37d of through tubes -- opening friction will be resisted and the 2nd valve will be pulled out from 37d of through tubes, this shows drawing 8 -- as -and carries out the stop of the stop member 35c to the 2nd valve 40 with the further migration in 35d of stop sections, [0048] And if the 2nd valve 40 carries out specified quantity migration soon, as shown in drawing 2, step 40b hangs resistance ring 41 in 37d of through tubes, the 2nd valve 40 also moves with migration of the 1st valve 37. volume in the pressure room A is increased. Since the tip of the 2nd valve 40 is intruded with friction through the

[0047] With the rise of the pressure, the energization member 39 is resisted, it slides on the 1st valve 37, and the room A of a main body of button 35, and go up the pressure in the pressure room A. acrosol machine 10. Then, the contents in the acrosol machine 10 blow off from this stem 11, enter in the pressure a finger is hung on fingerplate section 35c, a main body of button 35 is depressed, and a stem II is pushed in in the [0046] And at the time of use, it has the acrosol machine 10 by hand, and injection-tip 36b is turned to the affected part,

inpes -- closing -- the inside of the pressure room A -- liquid -- it comes to hold densely the back of cave hole 35b -- pressing -- 37d hole edge of through tubes -- seal section 40a -- pushing -- 37d of through energizes the 1st valve 37 to the inner sense with a piston 36 -- diameter expansion section 40c of the 2nd valve 40 --40b in a end face, and enters in stop member 35c, and the energization force of the energization member 39 which section 40a is formed in it on the way, and it comes to form in it diameter expansion section 40c which prepares step [0045] It inserts in two periphery slots on the tip respectively, the resistance ring 41 is formed in the 2nd valve 40, seal

40 of the shape of a needle established in the pressure room A. circumference of cave hole 35b, and it comes to intrude in 37d of through tubes with friction in the tip of the 2nd valve have straight-line slot 37c at the core is prepared in it. And outward clastic section 37a is pressed against the inner [0044] On the other hand, outward elastic section 37a is prepared in the 1st valve 37, and 37d of through tubes which It comes to attach the fixed bush 38 in the inlet port of cave hole 35b by press fit.

the fixed bush 38, and the 1st valve 37 is energized to the inner sense with a piston 36 by the energization member 39. [0043] And the coil-spring-like energization member 39 is formed between inner edge flange 36c of a piston 36, and

energization member used on the whole can be lessened, components mark can be reduced, and a cost cut can be aimed

a cost cut can be aimed at. [0055] According to invention according to claim 4, since a stop member is really built to a main body of button and one with shaping, in addition to effectiveness given in above-mentioned claim 3, components mark can be reduced and

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## LECHNICYT LIEFD

[Field of the Invention] This invention relacts to which of service in the stem of an acrosol machine, for injection to the Invention factor as and a stem is uperformed in in detail, the contents in the serosol machine which blows off from a stem are intermittently injected from an injection to, and which which plows off from a stem are intermittently injected from an injection to, and with vibration \*\*\*\*\*\* which massages the effected part by the contents injected intermittently.

[Translation done.]

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# EFFECT OF THE INVENTION

worn out can be lost and endurance can be improved. massage effectiveness to be expectable can be acquired. Moreover, since a resistance ring is not used, the part greatly quantity migration, the downtime of injection can be secured certainly and sufficient clear intermittent injection for the opened with the rise of the pressure of the pressure interior of a room, but since it opens after carrying out specified [Effect of the Invention] Therefore, according to invention according to claim I, the 2nd valve is not immediately

push reliance of this 2nd valve to a main body of button soon with the both-way tubing, intermittent injection can much is open for free passage in addition to the above-mentioned effectiveness by moving the 2nd valve and canceling the both-way tubing is moved behind time, and since a pressure room and the inside of both-way tubing are delayed and it [0053] According to invention according to claim 2, an elastic member is compressed with sliding of the 1st valve,

energization member used on the whole can be lessened, components mark can be reduced, and a cost cut can be aimed it opens, valve-opening actuation can be performed stably, without using an energization member. Moreover, the pressure of the pressure interior of a room, the push reliance of the 2nd valve to a stop and the 1st valve is canceled and [0054] According to invention according to claim 3, since a stop member is hung on the 2nd valve with the rise of the more be ensured.

one with shaping, in addition to effectiveness given in above-mentioned claim 3, components mark can be reduced and [0055] According to invention according to claim 4, since a stop member is really built to a main body of button and

a cost cut can be aimed at.

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[Means for Solving the Problem] Therefore, invention according to claim 1 is set to vibration \*\*\*\*\*, For example, the MEVAS

with said both-way tubing 20 with sliding of said 1st valve 17, When the pressure in said pressure room A rises by the or intercepts the free passage when attaching in the both-way tubing 20, preparing in said pressure room A and moving The 2nd valve 22 which opens and closes, and opens said pressure room A for free passage in the both-way tubing 20, inner edge in said pressure room A while penetrating the 1st valve 17 and turning an outer edge to injection-tip 16b, [ sliding ] in the main body of button 15, and blows off from said stem 11, The both-way tubing 20 which puts in an valve 17 which divides the pressure room A containing the contents of said acrosol machine 10 which prepares free with the stem 11 as the gestalt of the operation explained using the following drawing 1 thrufor drawing 5. The 1st main body of button 15 which attaches in the stem 11 of the aerosol machine 10, and is prepared possible [ depression ]

17 is energized, said 2nd valve 22 is pressed against said main body of button 15, and it is characterized by the thing it canceled. Possible [ said free passage of the pressure room A and the inside of said both-way tubing 20 ] Said 1st valve valve 17, and said 2nd valve 22 is moved with the 1st valve 17. The push reliance to said main body of button 15 is contents of said acrosol machine 10 which blows off from said stem 11, Resist the energization force, slide on said 1st

pushed in. Blow off from this stem 11 and the contents in the aerosol machine 10 are put in in the pressure room A of a [0010] And in this invention according to claim 1, at the time of use, depress a main body of button 15 and a stem 11 is .0S gnidun yaw-thod bias comes to have the energization member 19 which intercepts said free passage of the pressure room A and the inside of

the both-way tubing 20 are opened for free passage, and the contents in the pressure room A are injected from The push reliance of this 2nd valve 22 to a main body of button 15 is canceled, the pressure room A and the inside of through the both-way tubing 20 with the 1st valve 17 and moving the 2nd valve 22 more than the specified quantity, A, sliding on the 1st valve 17 and increasing the volume in the pressure room A When moving the 2nd valve 22 both main body of button 15. While resisting the energization member 19 with the rise of the pressure in the pressure room

of button 15, the free passage of the pressure room A and the inside of the both-way tubing 20 will be intercepted, and returned by the energization force of the energization member 19, the 2nd valve 22 will be pressed against a main body [0011] Then, if the pressure in the pressure room A declines with injection, the 1st valve 17 and 2nd valve 22 will be injection-tip 16b through the inside of the both-way tubing 20.

interrupted again and intermittent injection of the contents in the pressure room A will be carried out from injection-tip [0012] And if the pressure in the pressure room A rises, contents are injected again, if it falls, injection will be injection of contents will be interrupted.

between said 1st valve 17 and said both-way tubing 20 in vibration \*\*\*\*\* according to claim 1 as the gestalt of the [0013] Invention according to claim 2 is characterized by the thing it comes to intervene in an clastic member 21 top by this repeat.

[0014] And in this invention according to claim 2, when the 1st valve 17 slides with the rise of the pressure in the operation explained using the following drawing 1 thrulor drawing 5.

and the inside of the both-way tubing 20 are opened for free passage behind time. tubing 20, the push reliance of this 2nd valve 22 to a main body of button 15 is canceled soon, and the pressure room A pressure room A, an elastic member 21 is compressed, the 2nd valve 22 is moved behind time through the both-way

button 35, and blows off from said stem 11, The 2nd valve 40 which intrudes with friction in 37d of through tubes of pressure room A containing the contents of said acrosol machine 10 which prepares free [ sliding ] in the main body of aerosol machine 10, and is prepared possible [ depression ] with the stem 11, The 1st valve 37 which divides the using the following drawing 6 thrufor drawing 9, The main body of button 35 which attaches in the stem 11 of the [010] The passage of the gestalt of the operation which explains invention according to claim 5 in vibration \*\*\*\*\*

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contains in said tubed projected part 15c. And the 2nd valve 22 is pressed against a main body of button 15 by the [0027] Now, the 2nd valve 22 is attached in the inner edge of the both-way tubing 20 in the pressure room A, and it densely

the periphery of the both-way tubing 20 -- pressing -- the inside of the pressure room A -- liquid -- it comes to hold outward clastic section 17a -- the inner circumference of cave hole 15b -- pressing -- inner sense clastic section 17b --[1026] in addition, outward clastic section 17a and inside sense clastic section 17b are prepared in the 1st valve 17, and

porp-way tubing 20 is opened for free passage to injection-tip 16b through main hole 16a. the both-way tubing 20, the outer edge of the both-way tubing 20 is always applied to a piston 16, and the inside of the member 21 of the shape of a coil spring prepared in an outer edge periphery is intervened between the 1st valve 17 and tubing 20 puts in an inner edge in the pressure room A while turning an outer edge to injection-tip 16b. And the elastic [0025] On the other hand, the both-way tubing 20 is penetrated and formed in a core at the 1st valve 17. The both-way

pray 18 in the inlet port of cave hole 15b by press fit.

valve 17 is energized to the inner sense with a piston 16 by the energization member 19, it comes to attach the fixed energization member 19 is formed between inner edge flange 16c of a piston 16, and the fixed bush 18, and the 1st to prepare injection-tip 16b of this \*\*\*\*\* 14 in a piston 16 at the point of main hole 16a. And the coil-spring-like room A which is open for free passage in a main body of button 15 at said stem fitting section 15a is divided. It comes [0024] Into such cave hole 15b, it connects with a piston 16, the 1st valve 17 is formed free [ sliding ], and the pressure

comes to form tubed projected part 15c in the inner part of cave hole 15b towards the direction to open. 15b of the cross-section round shape opened to one side of the direction of a path is prepared in the upper part, And it preparing downward stem fitting section 15a which fits a stem 11 into a core in a main body of button 15, cave hole

[0023] The main body of button 15 really built with shaping using the resin ingredient is formed in \*\*\*\*\* 14. While acrosol machine 10,

etc. in this aerosol machine 10. Vibration \*\*\*\*\* 14 by invention according to claim 1 is attached in the stem 11 of the contents to contain the liquid which has for example, the hair-fostering effectiveness, a circulation facilitatory effect, [0022] What is shown with the sign 10 in drawing is the aerosol machine which projects a stem 11 upward. It comes as

stem of an aerosol machine is shown in drawing 1. drawing. The longitudinal section of vibration \*\*\*\*\*\* according to claim 1 in the condition of having attached in the

[Embodiment of the Invention] Hereafter, it explains per gestalt of implementation of this invention, referring to a [1200] one shaping,

through tubes, stop member 35c built to a main body of button 35 and one is hung and stopped to the 2nd valve 40 with [0020] And in this invention according to claim 4, when resisting friction and pulling out the 2nd valve 40 from 37d of

operation explained using the following drawing 6 thru/or drawing 9. main body of button 35 and one with shaping for in vibration \*\*\*\*\* according to claim 3 as the gestalt of the [0019] Invention according to claim 4 is characterized by what it really comes to build said stop member 35c to said

36b by this repeat. interrupted again and intermittent injection of the contents in the pressure roun A will be carried out from injection-tip

[0018] And it the pressure in the pressure room A rises, contents are injected again, if it falls, injection will be 2nd valve 40 will close 37d of through tubes, and injection of contents will be interrupted. energization force of the energization member 39, the 2nd valve 40 will be again intruded in 37d of through tubes, this

[0017] Then, if the pressure in the pressure room A declines with injection, the 1st valve 37 will be returned by the

pressure room A are injected from injection-tip 36b through 37d of the through tube. resisted, the 2nd valve 40 is separated from the 1st valve 37, 37d of through tubes is opened, and the contents in the than the specified quantity with the 1st valve 37, Stop member 35c is hung and stopped to this 2nd valve 40, friction is A, sliding on the 1st valve 37 and increasing the volume in the pressure room A, when moving the 2nd valve 40 more

main body of button 35. While resisting the energization member 39 with the rise of the pressure in the pressure room pushed in. Blow off from this stem 11 and the contents in the acrosol machine 10 are put in in the pressure room A of a [016] And in this invention according to claim 3, at the time of use, depress a main body of button 35 and a stem 11 is characterized by the thing it comes to have stop member 35c which opens 37d of said through tubes.

valve 37, It hangs and stops to the 2nd valve 40, this 2nd valve 40 is separated from said 1st valve 37, and it is member 39, sliding on said 1st valve 37 and moving said 2nd valve 40 more than the specified quantity with the 1st by the contents of said acrosol machine 10 which blows off from said stem 11. When resisting said energization 37, presses against this 2nd valve 40, and closes 37d of said through tubes, The pressure in said pressure room A rises the 1st valve 37, and is prepared in said pressure room A, The energization member 39 which energizes said 1st valve

JP,11-342202,A [MEANS]

room A and the inside of the both-way tubing 20.

energization force of said energization member 19, and it always comes to intercept the free passage of the pressure

acrosol machine 10. Then, the contents in the acrosol machine 10 blow off from this stem 11, enter in the pressure a finger is hung on 15d of tingerplate sections, a main body of button 15 is depressed, and a stem 11 is pushed in in the [0028] And at the time of use, it has the aerosol machine 10 by hand, and injection-tip 16b is turned to the affected part,

room A of a main body of button 15, and go up the pressure in the pressure room A.

17 in the beginning at this time, when the elastic force of that elastic member 21 became large, the both-way tubing 20 volume in the pressure room A is increased. Although an clastic member 21 is compressed with sliding of that 1st valve [0029] With the rise of the pressure, the energization member 19 is resisted, it slides on the 1st valve 17, and the

[0030] this shows drawing 2 -- as -- between a main body of button 15 and the 2nd valve 22 -- a clearance -- building --22 is carried out soon, the push reliance of this 2nd valve 22 to a main body of button 15 is canceled. is moved with the 1st valve 17, the 2nd valve 22 also moves [ both ] and specified quantity migration of that 2nd valve

injects from injection-tip 16b to the affected part through main hole 16a of a piston 16. - drawing 2 Nakaya -- \*\*\*\*\* -- as -- the contents in the pressure room A are put in in the both-way tubing 20, and it the clearance -- letting it pass -- the pressure room A and the inside of the both-way tubing 20 -- open for free passage -

way tubing 20 will be returned and an outer edge will be pressed against a piston 16 by the clastic force of an clastic [0031] Then, at first, if the pressure in the pressure room A declines with injection, as shown in diawing 3, the both-

passage of the pressure room A and the inside of the both-way tubing 20 will be intercepted, and injection of contents the 2nd valve 22 is again put in in tubed projected part 15c, it will press against a main body of button 15, the free member 21. Then, if a pressure declines further, as shown in drawing 4, the 1st valve 17 and 2nd valve 22 are returned,

of the contents in the pressure room A is carried out from injection-tip 16b by this repeat. And while adhering contents drawing 4, injection is interrupted [ when the pressure in the pressure room A rises, ] again, and intermittent injection [0032] And when contents are injected again and it falls, as it is shown in drawing 2 and drawing 3, and it is shown in will be interrupted for the energization force of the energization member 19.

immediately opened with the rise of the pressure in the pressure room A, but since it opens after carrying out specified [0033] Thereby, in vibration \*\*\*\*\* 14 shown in this drawing 1 thrulor drawing 4, the 2nd valve 22 is not to the affected part, the affected part is massaged by the contents which carry out intermittent injection.

quantity migration, the downtime of injection can be secured certainly and sufficient clear intermittent injection for the

massage effectiveness to be expectable can be acquired.

energization member 19, both-way tubing 20, clastic member 21 and valve 22 are attached in the cave hole 15b, and built with shaping using a resin ingredient, cave hole 15b is prepared in it, piston 16 and the 1st valve 17, and the 2nd [0035] By the way, in vibration \*\*\*\*\* 14 shown in drawing 1 thrufor drawing 4, a main body of button 15 is really [0034] Moreover, since a resistance ring is not used, the part greatly worn out can be lost and endurance can be

[0036] As shown, for example in <u>drawing 5</u>, however, a main body of button 15 Put in bush 15B in bottom case 15A,

the contents in the acrosol machine 10 were sideways injected from injection-tip 16b.

made for the contents of the acrosol machine 10 which blew off from the stem 11 to enter in the pressure room A Lutrulor drawing 4, and the 2nd valve 22 is put in in bush 15B, Slot in is formed outside at this bush 15B, and it is [0037] In \*\*\*\*\* 14 shown in this diawing 2, it changes into tubed projected part 15c of \*\*\*\*\* 14 shown in drawing 15c, and you may make it inject the contents in the aerosol machine 10 from injection-tip 16b straightly as it is. and the 2nd energization member 19, both-way tubing 20, elastic member 21 and valve 22 are attached in the dugout and upper case 15C is put and constituted on it. Dugout 15e is prepared in the interior, piston 16 and the 1st valve 17,

A sign 26 is covering of the shape of a cylinder which covers the surroundings of a main body of button 15 or Mt. established in a main body of button 15. Much projected part 25a is projected and prepared upward in Mt. Tsurugi 25. [038] In drawing 2, the newly attached sign 25 is Mt. Tsurugi which a piston 16 penetrates a core, and is attached and in drawing 1 thru/or drawing 4 corresponds in this drawing 5 as it is. through that slot m. In addition, in addition to this, it comes to use the sign used for the part to which \*\*\*\*\* 14 shown

intermittent injection of the contents in the acrosol machine 10 from injection-up 16b like the case where it is shown in 25a of Mt. Tsurugi 25 against a head, depressing a main body of button 15, pushing in a stem 11, carrying out [0039] And while cap 27 is removed and have the acrosol machine 10 in reverse, when using it, pressing projected part \*\*\*\*\* 14 and is attached in covering 26 at the time of un-using it. Tsurugi 25, and attaches and prepares the lower part in the aerosol machine 10. A sign 27 is a cap which puts on

carry out intermittent injection. drawing I thru/or drawing 4 henceforth and adhering contents to a head, a head is massaged by the contents which

the upper part. button 35, cave hole 35b of the cross-section round shape opened to one side of the direction of a path is prepared in preparing downward stem fitting section 35s which fits the stem of an acrosol machine into a core in a main body of

body of button 35 really built with shaping using the resin ingredient is formed in illustration \*\*\*\*\* 34. While [0040] Now, the longitudinal section of vibration \*\*\*\*\* according to claim 3 is shown in drawing 6 below. The main

prepared in the inner part of cave hole 35b at one, it comes to form 35d of stop sections at the tip of stop member 35c. [0041] And in this example of illustration, stop member 35c which projects in tubed towards the direction to open is

to prepare injection-tip 36b of this \*\*\*\*\* 34 in a piston 36 at the point of main hole 36a. room A which is open for free passage in a main body of button 35 at said atem fitting section 35a is divided. It comes [0042] Into such cave hole 35b, it connects with a piston 36, the 1st valve 37 is formed free [ sliding ], and the pressure

[0043] And the coil-spring-like energization member 39 is formed between inner edge flange 36c of a piston 36, and

It comes to attach the fixed bush 38 in the inlet port of cave hole 35b by press fit. the fixed bush 38, and the 1st valve 37 is energized to the inner sense with a piston 36 by the energization member 39.

circumference of cave hole 35b, and it comes to intrude in 37d of through tubes with friction in the tip of the 2nd valve have straight-line slot 37e at the core is prepared in it. And outward clastic section 37a is pressed against the inner [0044] On the other hand, outward elastic section 37a is prepared in the 1st valve 37, and 37d of through tubes which

energizes the 1st valve 37 to the inner sense with a piston 36 -- diameter expansion section 40c of the 2nd valve 40 --40b in a end face, and enters in stop member 35c. and the energization force of the energization member 39 which section 40a is formed in it on the way, and it comes to form in it diameter expansion section 40c which prepares step [0045] It inserts in two periphery slots on the tip respectively, the resistance ring 41 is formed in the 2nd valve 40, seal 40 of the shape of a needle established in the pressure room A.

a finger is hung on fingerplate section 35e, a main body of button 35 is depressed, and a stem 11 is pushed in in the [0046] And at the time of use, it has the aerosol machine 10 by hand, and injection-tip 36b is turned to the affected part, tubes -- closing -- the inside of the pressure room A -- liquid -- it comes to hold densely the back of cave hole 35b -- pressing -- 37d hole edge of through tubes -- seal section 40a -- pushing -- 37d of through

[0047] With the rise of the pressure, the energization member 39 is resisted, it slides on the 1st valve 37, and the A moon of a main body of button 35, and go up the pressure in the pressure room A. aerosol machine 10. Then, the contents in the aerosol machine 10 blow off from this stem 11, enter in the pressure

friction will be resisted and the 2nd valve will be pulled out from 37d of through tubes, this shows drawing 8 -- as -and carries out the stop of the stop member 35c to the 2nd valve 40 with the further migration in 35d of stop sections, [0048] And if the 2nd valve 40 carries out specified quantity migration soon, as shown in drawing 2, step 40b hangs resistance ring 41 in 37d of through tubes, the 2nd valve 40 also moves with migration of the 1st valve 37. volume in the pressure room A is increased. Since the tip of the 2nd valve 40 is intruded with friction through the

energization force of the energization member 39 and it is shown in <u>drawing 9</u>, diameter expansion section 40c of the [0049] Then, if the pressure in the pressure room A declines with injection, as the lst valve 37 is returned by the straight-line slot of 37d of the through tube 37c, and it injects from injection-tip 36b through the main hole 36a. drawing Nakaya -- \*\*\*\*\* -- a passage -- the inside of the pressure room A -- contents are put in in a piston 36 through seal section 40a -- from the hole edge of 37d of through tubes -- detaching -- 37d of through tubes -- opening --

[0050] And if the pressure in the pressure room A rises again, contents are injected again, if it falls, injection will be contents will be interrupted. 37d hole edge of through tubes will be forced on seal section 40a, 37d of through tubes will be closed, and injection of 2nd valve 40 is pressed in the inner part of cave hole 35b, the 2nd valve 40 is again intruded in 37d of through tubes,

the 2nd valve 40 with the rise of the pressure in the pressure room A, a stop and the push reliance of seal section 40a to [0051] Thereby, in vibration \*\*\*\*\* 34 shown in this drawing 6 thru/or drawing 9, since stop member 35c is hung on carry out intermittent injection. 36b by this repeat. And while adhering contents to the affected part, the affected part is massaged by the contents which interrupted again and intermittent injection of the contents in the pressure room A will be carried out from injection-tip

as the energization member 39, and a cost cut can be aimed at. using an elastic member. Moreover, components mark can be reduced by the ability using an energization member only 37d hole edge of through tubes are canceled and it opens, valve-opening actuation can be performed stably, without

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[Translation done.]
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A Pressure room 41 Resistance Ring 40c Diameter expansion section

dots dut-40a Seal section 37d Through tube

mais 11

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37c Straight-line slot
                                                                                                     35d Stop section
                                                                                                    32c Stop member
                                                                                                 22-40 The 2nd valve
                                                                                                   21 Elastic Member
                                                                                                 20 Both-way Tubing
                                                                                         19-39 Energization member
                                                                                                    18-38 Fixed bush
                                                                                                  17-37 The 1st valve
                                                                                              16band36b Injection tip
                                                                                                             notsiq 81
                                                                                             15c Tubed projected part
                                                                                                Spand35b Cave hole
                                                                                           notted to ybod nisM 26-21
                                                                                                 ***** noitstdiV bi
                                                                                                 10 Aerosol Machine
                                                                                           [Description of Notations]
                                                                           attached in the stem of an aerosol machine.
    Diswing 10] It is drawing of longitudinal section of the conventional vibration ***** in the condition of having
                    Drawing 9] It is drawing of longitudinal section at the time of clausilium initiation during the use.
                     [Drawing 8] It is drawing of longitudinal section at the time of full valve opening during the use.
                Drawing 7] It is drawing of longitudinal section at the time of valve-opening initiation during the use.
                      [Drawing 6] Drawing of longitudinal section of vibration ***** according to claim 3 is shown.
                                                       condition of having attached in the stem of an aerosol machine.
[Drawing 5] It is drawing of longitudinal section of the other examples of vibration ***** according to claim 1 in the
                             Drawing 4] It is drawing of longitudinal section at the time of clausilium during the use.
                     Drawing 3] It is drawing of longitudinal section at the time of full valve opening during the use.
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[Brief Description of the Drawings] DESCRIPTION OF DRAWINGS

attached in the stem of an aerosol machine.

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3.In the drawings, any words are not translated.
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2.\*\*\* shows the word which can not be translated. I. This document has been translated by computer, So the translation may not reflect the original precisely.

Drawing 2] It is drawing of longitudinal section at the time of valve-opening initiation during the use.

Drawing 1] It is drawing of longitudinal section of vibration \*\*\*\*\* according to claim 1 in the condition of having

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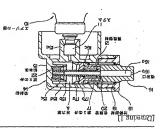
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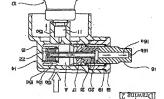
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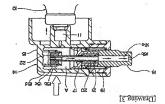
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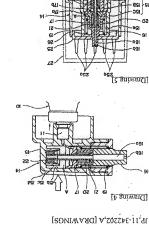
## DRAWINGS

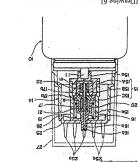


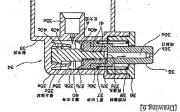




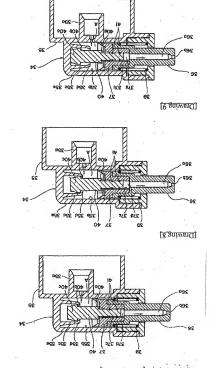
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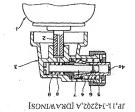


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